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September 20, 2006

**MAIL STOP PCT**  
Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450

**PCT/JP2005/004691**  
**-filed March 16, 2005**

**Re:** Application of Yoshichika FUKASAWA; Mahito FUJITA  
METHOD OF VULCANIZATION MOLDING OF RUBBER MATERIAL  
**Assignee:** BRIDGESTONE CORPORATION  
Our Ref: Q96963

Dear Sir:

The following documents are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- a copy of the executed Declaration and Power of Attorney.
- an English translation of the International Application. Also enclosed is the first two pages of WO 2005/090042 A1.
- 3 sheet(s) of drawings.
- an English translation of Article 19 claim amendments.
- an English translation of Article 34 amendments (annexes to the IPER).
- a copy of the executed Assignment and PTO 1595 form.
- a copy of the ISR.
- a copy of the IPER.
- a PTO/SB/08 A & B (modified) listing the ISR/IPER references.
- a copy of each reference cited in the ISR/IPER.
- a Preliminary Amendment.

In addition to the documents submitted herewith, it is assumed that copies of the International Application, the International Search Report and cited references, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.



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It is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f).

The Government filing fee, **after entry of the Preliminary Amendment** is calculated as follows:

Total claims	<u>6</u>	-	<u>20</u>	=	<u>      </u>	x	\$50.00	=	<u>      </u>	\$0.00
Independent claims	<u>1</u>	-	<u>3</u>	=	<u>      </u>	x	\$200.00	=	<u>      </u>	\$0.00
Base Fee										\$300.00
Search Fee										\$400.00
Examination Fee										\$200.00
<hr/>										
<b>TOTAL FEE</b>										<b>\$900.00</b>

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Priority is claimed from:

<u>Country</u>	<u>Application No</u>	<u>Filing Date</u>
Japan	2004-082054	March 22, 2004

Respectfully submitted,

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// B29K 21:00, 105:24, B29L 30:00) [JP/JP]; 〒1048340 東京都中央区京橋1丁目10番1号 Tokyo (JP).

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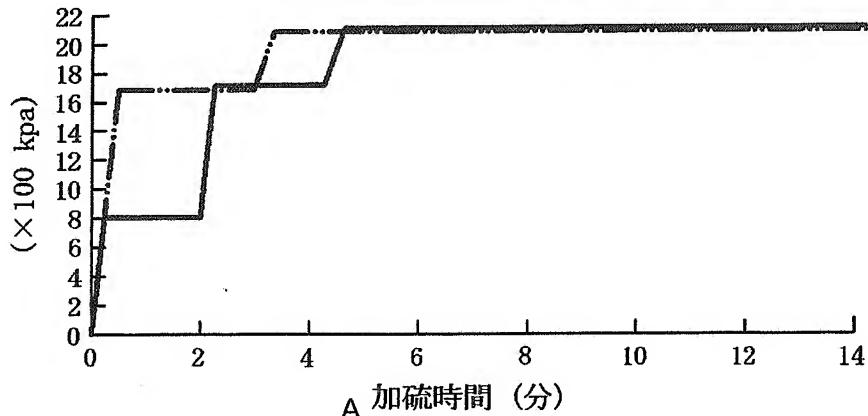
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特願2004-082054 2004年3月22日 (22.03.2004) JP (74) 代理人: 杉村 興作 (SUGIMURA, Kosaku); 〒1000013 東京都千代田区霞が関3丁目2番4号 霞山ビルディング7F Tokyo (JP).

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(続葉有)

(54) Title: METHOD OF VULCANIZATION MOLDING OF RUBBER MATERIAL

(54) 発明の名称: ゴム素材の加硫成形方法



A... VULCANIZATION TIME (MIN)

WO 2005/090042 A1

(57) Abstract: A method of vulcanization molding of a rubber material in which without interfering with discharging of confined air, etc., the vent spew and protrusion lengths of rubber product can be shortened to an extent not detrimental to distinguished look of product without trimming-off thereof, and in which there is no danger of clogging of vent holes, etc. by broken vent spew, etc. There is provided a method of vulcanization molding, comprising, while heating a vulcanization metal mold, compressing a rubber material onto a shaping surface of the metal mold by pressure applied toward the interior of the metal mold and effecting vulcanization thereof, wherein a low-pressure fluid is fed into the vulcanization metal mold at the initial stage of vulcanization molding started and thereafter the fluid pressure is stepwise or non-stepwise increased.

(57) 要約: 封じ込め空気等の排出を妨げることなしに、また、ゴム製品のペントスピーおよびはみ出しの長さを、それらのトリミング除去なしにも、製品の見映えを損ねない程度

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BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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2 文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイドノート」を参照。